WHAT IS CLAIMED IS:

1. A liquid crystal display device comprising a sealing material provided on a periphery of a substrate for preventing leakage of liquid crystal, projections formed by etching a film formed on the substrate, and another substrate opposing the substrate being remote therefrom by a gap and being supported by the projections, wherein an area occupying rate of the projections with respect to a region enclosed by the sealing material is not less than 0.0001 and not more than 0.003.

2. The liquid crystal display device of Claim 1, wherein the area occupying rate is not less than 0.001 and not more than 0.002.

3. The liquid crystal display device of Claim 1, wherein the area occupying rate is not less than 0.001 and not more than 0.0015.

4. The liquid crystal display device of any one of Claims 1 to 3, wherein the film is formed of acrylic resin.

5. A liquid crystal display device comprising a sealing material provided on a periphery of a substrate for preventing leakage of liquid crystal, projections formed by etching a film formed on the substrate, and another substrate opposing the substrate being remote therefrom by a gap and being supported by the projections, wherein heights of columnar spacers are varied.

6. The liquid crystal display device of claims 5, wherein the heights are different by not less than 0.05 μm.

7. A method for manufacturing liquid crystal display device comprising the steps of forming projections by etching a film formed on a substrate, applying a sealing material on a periphery of the substrate in an annular form expect for an injection inlet for liquid crystal, overlapping another substrate onto the substrate with the projections and the sealing material being interposed therebetween, injecting liquid crystal through the liquid crystal injection inlet into a region enclosed by the sealing material, and applying a pressure of not less than 1,000 Pa and not more than 40,000 Pa to surfaces of both substrates.

8. The method of Claim 7, wherein a pressure of not less than 1,000 Pa and not more than 20,000 Pa is applied onto the surfaces of the substrates.

9. The method of any one of Claims 7 to 8, wherein a sealing agent is applied to the liquid crystal injection inlet simultaneously with applying pressure to surfaces of both substrates.

10. A method for manufacturing a liquid crystal display device comprising the steps of forming projections by etching a film formed on a substrate, applying a sealing material on a periphery of the substrate in an annular form expect for an injection inlet for liquid crystal, overlapping another substrate onto the substrate with the

projections and the sealing material being interposed therebetween, injecting liquid crystal through the liquid crystal injection inlet into a region enclosed by the seal agent, and applying a sealing agent to the injection inlet of the liquid crystal display device after elapse of a specified time from completion of injecting liquid crystal.